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Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Identifier** C-91643700-001\_PGP\_CLPR7\_EUR  
**Product Name** Fairy Professional disinfecting kitchen degreaser K6  
**Product Form** Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Restricted to professional users  
**Uses advised against** No information available  
**Main user category** SU 22 - Professional uses  
**Product category** Specialty Cleaners Spray  
**Use category** PC8 - Biocidal Products (e.g. disinfectants, pest control)

### 1.3. Details of the supplier of the safety data sheet

Supplier	Manufacturer
Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200	Farmol Berlingo Via Mazzini 5 25030 Berlingo BS Italy
P&G DCE bvba/sprl-Belgium Dist. Div., Temseleaan 100, B-1853 Strombeek-Bever, Belgium (IE) 1800 535 119	Telephone: +39 030 997 3301

For further information, please contact

**E-mail address** customerservice@pgprof.com

### 1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

(IRL) Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166 (8.00 a.m. to 10.00 p.m. 7 days a week)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)

### 2.2. Label elements



**Signal word**  
Warning

**Hazard statements**  
H315 - Causes skin irritation

H319 - Causes serious eye irritation

**Precautionary Statements - EU (§28, 1272/2008)**

P102 - Keep out of reach of children

P101 - If medical advice is needed, have product container or label at hand

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P260 - Do not breathe spray

P501 - Dispose of contents/container to an appropriate local waste system

**2.3. Other hazards**

No information available.

**Endocrine Disruptor Information** There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	CAS No	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Alcohol	64-17-5	1 - 5	01-21194576 10-43	200-578-6	Flam. Liq. 2(H225) Eye Irrit. 2(H319)	Eye Irrit. 2 :: 50%<=C<10 0%	-	-
Propylene Glycol Butyl Ether	5131-66-8	1 - 5	01-21194755 27-28	225-878-4	Skin Irrit. 2(H315) Eye Irrit. 2(H319)	Skin Irrit. 2 :: 20%<=C<10 0% Eye Irrit. 2 :: 20%<=C<10 0%	-	-
Ethanolamine	141-43-5	1 - 5	01-21194864 55-28	205-483-3	Acute Tox. 4 (Oral)(H302) Acute Tox. 4 (Dermal)(H312) Acute Tox. 4 (Inhalation)(H332) Skin Corr. 1B(H314) STOT SE 3(H335) Aquatic Chronic 3(H412)	STOT SE 3 :: 5%<=C<100 %	-	-
C9-11 Pareth-n	68439-46-3	<1	No data available	614-482-0	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)	-	-	-
Alkyl Dimethyl	85409-23-0	<1	No data	287-090-7	Acute Tox. 4	-	10	1

Ethylbenzyl Ammonium Chloride			available		(Oral)(H302) Skin Corr. 1B(H314) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)			
Benzalkonium Chloride	68391-01-5	<1	No data available	269-919-4	Acute Tox. 4 (Oral)(H302) Skin Corr. 1B(H314) Aquatic Acute 1(H400) Aquatic Chronic 1(H410)	-	10	-

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate  
No information available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.  
**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).  
**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
**Skin contact** IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. Discontinue use of product.  
**Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.  
**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Dryness. Pain. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion. Sneezing.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).  
**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards arising from the chemical** None in particular.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### 6.3. Methods and material for containment and cleaning up

**Methods for containment** Scoop absorbed substance into closing containers.

**Methods for cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small quantities of liquid spill: Large Spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep/store only in original container. Keep in a dry place. Store in a cool, well ventilated area.

### 7.3. Specific end use(s)

#### Specific use(s)

Cleaning/washing agents and additives.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Alcohol	-	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL 2000 ppm STEL 3800 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1907 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Ethanolamine	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> *	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL 3 ppm STEL 7.6 mg/m <sup>3</sup> Skin sensitizer	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> *	STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> K*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> *
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Alcohol	-	TWA: 1000 mg/m <sup>3</sup> Ceiling: 3000 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1000 mg/m <sup>3</sup> STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 1300 ppm

				STEL: 1900 mg/m <sup>3</sup>	STEL: 2500 mg/m <sup>3</sup>
Propylene Glycol Butyl Ether	-	TWA: 270 mg/m <sup>3</sup> Ceiling: 550 mg/m <sup>3</sup> *	-	-	-
Ethanolamine	* STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> Ceiling: 7.5 mg/m <sup>3</sup> *	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> H*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> A*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> iho*
Chemical name	France	Germany	Germany DFG	Greece	Hungary
Alcohol	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 380 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 380 mg/m <sup>3</sup> Peak: 800 ppm Peak: 1520 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup> STEL: 3800 mg/m <sup>3</sup>
Ethanolamine	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> *	TWA: 0.2 ppm TWA: 0.5 mg/m <sup>3</sup> H* Skin sensitizer	TWA: 0.2 ppm TWA: 0.51 mg/m <sup>3</sup> Peak: 0.2 ppm Peak: 0.51 mg/m <sup>3</sup> skin sensitizer	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> skin - potential for cutaneous absorption	TWA: 2.5 mg/m <sup>3</sup> STEL: 7.6 mg/m <sup>3</sup> *
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Alcohol	STEL: 1000 ppm	-	STEL: 1000 ppm STEL: 1884 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1000 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1900 mg/m <sup>3</sup> *
Ethanolamine	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> Sk*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> pelle*	TWA: 3 ppm TWA: 7.5 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 0.2 ppm TWA: 0.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> *	TWA: 2.5 mg/m <sup>3</sup> TWA: 1 ppm STEL: 7.6 mg/m <sup>3</sup> STEL: 3 ppm
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Alcohol	-	-	TWA: 260 mg/m <sup>3</sup> STEL: 1900 mg/m <sup>3</sup> H*	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup> STEL: 625 ppm STEL: 1187.5 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
Ethanolamine	* STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>	* STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> STEL: 7.6 mg/m <sup>3</sup> H*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 5 mg/m <sup>3</sup> H*	STEL: 7.5 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup> *
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Alcohol	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 960 mg/m <sup>3</sup> Ceiling: 1920 mg/m <sup>3</sup>	TWA: 960 mg/m <sup>3</sup> TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m <sup>3</sup>	STEL: 1000 ppm STEL: 1910 mg/m <sup>3</sup>
Ethanolamine	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> P*	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> *	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> * Ceiling: 7.6 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: STEL ppm STEL: STEL mg/m <sup>3</sup> *	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.5 mg/m <sup>3</sup> vía dérmica*
Chemical name	Sweden	Switzerland	United Kingdom	Israel - Occupational Exposure Limits - TWAs	Turkey
Alcohol	NGV: 500 ppm NGV: 1000 mg/m <sup>3</sup> Vägledande KGV: 1000 ppm Vägledande KGV: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 960 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1920 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1920 mg/m <sup>3</sup> STEL: 3000 ppm STEL: 5760 mg/m <sup>3</sup>	-	-
Ethanolamine	NGV: 1 ppm NGV: 2.5 mg/m <sup>3</sup>	TWA: 2 ppm TWA: 5 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>	3ppmTWA	1ppmTWA 2.5mg/m <sup>3</sup> TWA

	Bindande KGV: 3 ppm Bindande KGV: 7.5 mg/m <sup>3</sup> *	STEL: 4 ppm STEL: 10 mg/m <sup>3</sup>	STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> Sk*		
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### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Derived No Effect Level (DNEL) Long term.

Chemical name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Alcohol	343 mg/kg bw/day	950 mg/m <sup>3</sup>	-	-
Propylene Glycol Butyl Ether	52 mg/kg bw/day	147 mg/m <sup>3</sup>	-	-
Ethanolamine	3 mg/kg bw/day	1 mg/m <sup>3</sup>	-	0.51 mg/m <sup>3</sup>
C9-11 Pareth-n	2080 mg/kg bw/d	294 mg/m <sup>3</sup>	-	-

Chemical name	Consumer - oral, long-term - local	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Ethanolamine	-	0.28 mg/m <sup>3</sup>	-

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Alcohol	87 mg/kg bw/day	114 mg/m <sup>3</sup>	206 mg/kg bw/day
Propylene Glycol Butyl Ether	12.5 mg/kg bw/day	43 mg/m <sup>3</sup>	22 mg/kg bw/day
Ethanolamine	1.5 mg/kg bw/day	0.18 mg/m <sup>3</sup>	1.5 mg/kg bw/day
C9-11 Pareth-n	25 mg/kg bw/d	87 mg/m <sup>3</sup>	1250 mg/kg bw/d

### Derived No Effect Level (DNEL) Short term.

### Predicted No Effect Concentration (PNEC)

Chemical name	Fresh Water	Marine water	Intermittent release
Alcohol	0.96 mg/L	0.79 mg/L	2.75 mg/L
Propylene Glycol Butyl Ether	0.525 mg/L	0.052 mg/L	5.25 mg/L
Ethanolamine	0.07 mg/L	0.007 mg/L	0.028 mg/L
C9-11 Pareth-n	0.104 mg/L	0.104 mg/L	0.014 mg/L

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Alcohol	3.6 mg/kg sediment dw	2.9 mg/kg sediment dw	580 mg/L	0.63 mg/kg soil dw	-	-
Propylene Glycol Butyl Ether	2.36 mg/kg sediment dw	0.236 mg/kg sediment dw	10 mg/L	0.16 mg/kg soil dw	-	-
Ethanolamine	0.357 mg/kg sediment dw	0.036 mg/kg sediment dw	100 mg/L	1.29 mg/kg soil dw	-	-
C9-11 Pareth-n	13.7 mg/kg sediment dw	13.7 mg/kg sediment dw	1.4 mg/L	1 mg/kg soil dw	-	-

## 8.2. Exposure controls

### Personal Protective Equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.
<b>Environmental exposure controls</b>	Prevent that the undiluted product reaches surface waters.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	colorless
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Initial boiling point and boiling range</b>	100 - 110 °C	
<b>Flammability</b>		Not applicable. This property is not relevant for liquid product forms
<b>Flammability Limit in Air</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	50 - 60 °C	Closed cup Does not sustain combustion <=75°C
<b>Autoignition temperature</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Decomposition temperature</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>pH</b>	11	
<b>Dynamic viscosity</b>	5 - 10 mPa s	
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Partition coefficient</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Vapor pressure</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Relative density</b>	1 - 1.2	
<b>Relative vapor density</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Particle characteristics</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes  
No information available

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

**Reactivity** No information available.

### **10.2. Chemical stability**

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### **10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

### **10.4. Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

### **10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Information on likely routes of exposure**

##### **Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Redness. May cause redness and tearing of the eyes.

#### **Numerical measures of toxicity**

##### **Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 70,066.90 mg/kg

##### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	10470 mg/kg bw (OECD 401)	-	116.9 - 133.8 mg/L air (OECD 403)
Butoxypropanol	2700 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Ethanolamine	1089 mg/kg bw (OECD 401)	= 1000 mg/kg ( Rabbit )	> 1.3 mg/L ( Rat ) 6 h
C9-11 Pareth-8	> 300 - < 2000 mg/kg bw	> 2000 mg/kg bw	-
Quaternary ammonium compounds, C12-14-alkyl((ethylphenyl)methyl)dimethyl, chlorides	-	= 2300 mg/kg ( Rabbit )	-
C12-18 Alkyldimethylbenzyl Ammonium Chloride	>300-2000 mg/kg bw	= 2300 mg/kg ( Rabbit ) = 1420 mg/kg ( Rat )	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Alcohol	-	-	Y (OECD 405)	-	-	-	-	-
Propylene Glycol Butyl Ether	-	-	Y (OECD 405)	-	-	-	-	-
Ethanolamine	-	-	Y (OECD 405)	-	-	-	-	-
C9-11 Pareth-n	-	-	Y (100%; OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Propylene Glycol Butyl Ether	-	-	Y (OECD 404)	-	-	-
Ethanolamine	-	-	Y (OECD 404)	-	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**11.2.2. Other information**

**Other adverse effects** No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** Not considered to be harmful to aquatic life. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

**Unknown aquatic toxicity** Contains 0.02844 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethanol	275 mg/L (OECD 201; <i>Chlorella vulgaris</i> ; 72 h)	15300 mg/L (US EPA Method E03-05; <i>Pimephales promelas</i> ; 96 h)	> 1000 mg/L (OECD 209; 3 h)	5012 mg/L (ASTM E729-80; <i>Ceriodaphnia dubia</i> ; 48 h)
Butoxypropanol	> 1000 mg/L ( <i>Pseudokirchneriella subcapitata</i> ; 96 h)	> 560 - < 1000 mg/L (OECD 203; <i>Poecilia reticulata</i> ; 96 h)	> 1000 mg/L (OECD 209; activated sludge of a predominantly domestic sewage; 3 h)	> 1000 mg/L (OECD 202; <i>Daphnia magna</i> ; 48 h)
Ethanolamine	2.8 mg/L (OECD 201; <i>Pseudokirchneriella subcapitata</i> ; 72 h)	349 mg/L ( <i>Cyprinus carpio</i> ; 96 h)	> 1000 mg/L (OECD 209; activated sludge, domestic; 30 min)	27.04 mg/L (OECD 202; <i>Daphnia magna</i> ; 48 h)
C9-11 Pareth-8	1.4 mg/L ( <i>Pseudokirchneriella subcapitata</i> ; 96 h)	5 mg/L ( <i>Oncorhynchus mykiss</i> ; 96 h)	-	2.5 mg/L ( <i>Daphnia magna</i> ; 48 h)
C12-18 Alkyldimethylbenzyl Ammonium Chloride	-	LC50: 0.223 - 0.46mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: 0.823 - 1.61mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: =1.3mg/L (96h, <i>Poecilia reticulata</i> ) LC50: =2.4mg/L (96h, <i>Oryzias latipes</i> )	-	0.016 mg/l

**Chronic Toxicity**

Chemical name	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Propylene Glycol Butyl Ether	560 mg/L ( <i>Pseudokirchneriella subcapitata</i> ; 4 d)	180 mg/L (OECD 203; <i>Poecilia reticulata</i> ; 4 d)	560 mg/L (OECD 202; <i>Daphnia magna</i> ; 2 d)	-	-
Ethanolamine	1 mg/L (OECD 201; <i>Pseudokirchneriella subcapitata</i> ; 3 d)	1.24 mg/L (OECD 210; <i>Oryzias latipes</i> ; 41 d)	0.85 mg/L (OECD 202; <i>Daphnia magna</i> ; 21 d)	-	-

**12.2. Persistence and degradability**

**Persistence and degradability**

Chemical name	Ready Biodegradation	Abiotic Degradation	Abiotic Degradation	Biodegradation Other

	Test (OECD 301)	Hydrolysis	Photolysis	Tests
Ethanol - 64-17-5	84% O <sub>2</sub> ; 20 d	< 13148.72 d	17.2 d	83%; 3 d
Butoxypropanol - 5131-66-8	90% DOC; OECD 301 E; 28 d	-	-	90% DOC; OECD 301 E; > 70% (10 d)
Ethanolamine - 141-43-5	> 90%; DOC; OECD 301 A; 21 d)	-	-	> 70 % (OECD 301 F; aerobic; activated sludge, domestic, non-adapted; no information provided regarding 10 d window criteria)
C9-11 Pareth-8 - 68439-46-3	72 % inorg. C analysis (Guideline: ISO 14593 Water quality; 28 d)	-	-	-

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Partition coefficient
Alcohol	-0.35
Propylene Glycol Butyl Ether	1.2
Ethanolamine	-2.3

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Alcohol	-0.35 ( OECD 107)	< 10
Propylene Glycol Butyl Ether	1.2	-
Ethanolamine	-2.3	9.2 L/kg
C9-11 Pareth-n	3.74	237 L/Kg

### 12.4. Mobility in soil

**Mobility in soil** No information available.

Chemical name	log K <sub>oc</sub>
Alcohol	1.585
Ethanolamine	>= 221 - <= 491 L/kg

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available.

Chemical name	PBT and vPvB assessment
Alcohol	The substance is not PBT / vPvB PBT assessment does not apply
Propylene Glycol Butyl Ether	The substance is not PBT / vPvB
Ethanolamine	The substance is not PBT / vPvB PBT assessment does not apply
C9-11 Pareth-n	The substance is not PBT / vPvB
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	The substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste from residues/unused products

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the

same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

### IATA

14.1 UN number or ID number Not regulated  
14.2  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user

### IMDG

14.1 UN number or ID number Not regulated  
14.2  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
14.7 Maritime transport in bulk according to IMO instruments No information available

### RID

14.1 UN number or ID number Not regulated  
14.2  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

### ADR

14.1 UN number or ID number Not regulated  
14.2  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

### ADN

14.1 UN number or ID number Not relevant  
14.2  
14.3 Transport hazard class(es) No information available  
14.4 Packing group Not relevant  
14.5 Marine pollutant Not regulated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### France

##### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
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Alcohol	RG 84	-
Propylene Glycol Butyl Ether	RG 84	-
Ethanolamine	RG 49, RG 49bis	-

**Germany**

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

**Netherlands**

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Alcohol	Present	-	Fertility Category 1A Development Category 1A Can be harmful via breastfeeding

**Poland**

Announcement of the Speaker of the Sejm of the Republic of Poland of 13 April 2018 regarding the publication of a uniform text of the Act - Labor Code (Journal of Laws 2018, item 917, as amended). Announcement of the Speaker of the Sejm of the Republic of Poland of March 15, 2019 regarding the publication of a uniform text of the Act on Waste (Journal of Laws 2019 item 701, as amended). Regulation of the Minister of Development of 7 July 2016, repealing the Regulation on specific requirements for certain products due to their negative environmental impact (Journal of Laws of 2016, item 1099, as amended). Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286 with subsequent amendments).

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) Regulation (EC) No. 648/2004 (Detergents regulation) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Propylene Glycol Butyl Ether	75.	-
Ethanolamine	75.	-

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**EU - Biocides**

**CESIO Recommendations**

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**15.2. Chemical safety assessment**

**Chemical Safety Report**

No chemical safety assessment has been carried out for this mixture per REACH regulation.

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H225 - Highly flammable liquid and vapor
- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method

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**Further information** Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**